



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 09/830,015 Confirmation No. : 9358  
Applicant : Hillel WEINSTEIN et al.  
Filed : July 20, 2001  
TC/A.U. : 2611  
Examiner : A. Faile  
Title : SYSTEM, APPARATUS AND METHOD FOR EXPANDING THE  
: OPERATIONAL BANDWIDTH OF A COMMUNICATION SYSTEM

Docket No. : 82031-0008

Customer No. : 24633

RECEIVED

AUG 2 7 2004

Commissioner of Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Technology Center 2600

**INFORMATION DISCLOSURE STATEMENT**

**UNDER 37 C.F.R. § 1.97(b)**

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached Form PTO-1449, which the Examiner may deem relevant to the patentability of the above-identified application. One copy of each of the listed documents is submitted herewith.

This information disclosure statement is being filed within one of the following time periods: within three months of the filing date of this application other than a continued prosecution application, or within three months of the date of entry into the national stage of this international application, or before the mailing date of a first Office Action on the merits, or before the mailing of a first Office action after the filing of a request for continued examination under §1.114. Therefore, no certification under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. §1.17(p) is required.

Application No. 09/830,015  
Information Disclosure Statement dated August 26, 2004

Applicant respectfully requests that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission the listed documents are material or constitute "prior art." If the Examiner applies the documents as "prior art" against any claims in the application and Applicant determines that the cited documents do not constitute "prior art" under United States law, Applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such document.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed document, should the document be applied against the claims of the present application.

Except for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§ 1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No.

Application No. 09/830,015  
Information Disclosure Statement dated August 26, 2004

50-1349. This paragraph is intended to be a **CONSTRUCTIVE PETITION FOR  
EXTENSION OF TIME** in accordance with 37 C.F.R. § 1.136(a)(3).

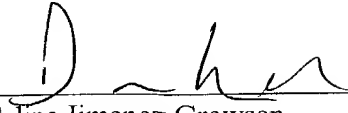
Respectfully submitted,

**HOGAN & HARTSON LLP**

Dated: August 26, 2004

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FORM PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO 82031-0006	APPLICATION NO. 09/830,015
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)  Date filed August 26, 2004		APPLICANT Hillel WEINSTEIN et al.	
		FILING DATE July 20, 2001	GROUP 2611

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	C1	3,491,199	01/20/1970	Weinstein et al.			
	C2	4,245,245	01/13/1981	Matsumoto et al.			
	C3	4,506,387	03/19/1985	Walter			
	C4	4,553,161	11/12/1985	Citta			
	C5	4,641,363	02/03/1987	Hasegawa			
	C6	5,109,286A	04/28/1992	West et al.			
	C7	5,130,664A	07/14/1992	Pavlic et al.			
	C8	5,194,947A	03/16/1993	Lowcock et al.			
	C9	5,301,245A	04/05/1994	Ishibashi et al.			
	C10	5,391,245A	04/05/1994	Endoh			
	C11	5,481,757	01/02/1996	Mihara et al.			
	C12	5,587,734A	12/24/1996	Lauder et al.			
	C13	5,600,573A	02/04/1997	Hendricks et al.			
	C14	5,724,646	03/03/1998	Ganek			
	C15	5,768,682A	06/16/1998	Peyrovian			
	C16	5,790,806	08/04/1998	Koperda			
	C17	5,805,804	09/08/1998	Laursen et al.			
	C18	5,815,146	09/29/1998	Youden et al.			
	C19	5,822,677A	10/13/1998	Peyrovian			
	C20	5,961,603A	10/05/1999	Yardley et al.			
EXAMINER					DATE CONSIDERED		

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) Date filed August 26, 2004	ATTY. DOCKET NO 82031-0006	APPLICATION NO. 09/830,015
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## U.S. PATENT DOCUMENTS

	C21	5,999,970	12/07/1999	Krisbergh et al.			
	C22	6,049,539	04/11/2000	Lee et al.			
	C23	6,253,375	06/21/2000	Gordon et al.			
	C24	6,381,745B1	04/30/2002	Paul			
	C25	6,393,607	05/21/2002	Hughes et al.			
	C26	6,462,923B1	10/08/2002	Vokey			

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
							Yes	No
	C27	04-196792	07/16/1992	Japan			X	
	C28	9-162818	06/20/1997	Japan			X	
	C29	11-041213	02/12/1999	Japan			X	
	C30	0 589 531 A2	03/30/1994	Europe				
	C31	0 577 351 A2	01/05/1994	Europe				
	C32	0 695 092 B1	01/31/1996	Europe				
	C33	0 742 658 A2	11/13/1996	Europe				
	C34	963 116 A2	12/08/1999	Europe				
	C35	01/41890 A2	06/14/2001	WIPO				
	C36	02/33969 A1	04/25/2002	WIPO				

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## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

C37	01/22364 A2	03/29/2001	WIPO	<div style="text-align: center;"> <b>RECEIVED</b>  <b>AUG 27 2004</b>  <b>Technology Center 2600</b> </div>
C38	01/60066 A1	08/16/2001	WIPO	
C39	96/08925 A1	03/21/1996	WIPO	
C40	99/14953	03/25/1999	WIPO	
C41	99/16201	04/01/1999	WIPO	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C42	Jari Peltoniemi; Video-on-Demand Overview, INTERNET; 01/30/1995; <URL: <a href="http://www.cs.tut.fi/tit/stuff/vod/VoDOverview/vod1/html">http://www.cs.tut.fi/tit/stuff/vod/VoDOverview/vod1/html</a> >
C43	SeaChange-News INTERNET, 07/11/2001; CISCO Systems; Multimedia Traffic Engineering for HFC NB URL: <a href="http://www.seachangeinternational.com/2000/pr255.html">http://www.seachangeinternational.com/2000/pr255.html</a> , SeaChange - Broadband Case Study INTERNET, URL: <a href="http://www.seachangeinternational.com/case_study_broadband.html">http://www.seachangeinternational.com/case_study_broadband.html</a> Seachange
C44	CISCO Systems; Multimedia Traffic Engineering for HFC Networks, a White Paper on Data, Voice, and Video over IP, 01/01/1999
C45	Unknown, 08/25/2002; Internet pages from <a href="http://www.dxcomm.com/products/Motorola">http://www.dxcomm.com/products/Motorola</a>
C46	Epcos, 06/08/2002, RF Transformer Splitter and Matching Transformer
C47	Ciciora et al., 01/01/1999, Chapters 9, 10, 13 and 14 of the book "modern Cable Television Technology, Video, Voice, and data Communications", Coaxial RF Technology", Coaxial Distribution System Design", "Return Path Interference Mitigation Techniques"
C48	Christiansen, 01/01/1997, "Electronics Engineers' Handbook" by McGraw Hill 26.57-26.66 and 25.65
C49	Unknown, 08/13/2000, Pages from URL: <a href="http://www.eccentrix.com">http://www.eccentrix.com</a> , <a href="http://www.divx-digest.com">http://www.divx-digest.com</a> , <a href="http://www.ultimateresourcesite.com">http://www.ultimateresourcesite.com</a> , < <a href="http://www.cnet.com">http://www.cnet.com</a> >
C50	Rath et al, 06/01/1997, "Interactive Digital Video Networks: Lessons from a Commercial Deployment", IEEE Communication Magazine, IEEE Service Center. Piscataway, N.J., US, vol. 35, no. 6, pages 70-74, XP000659191 ISSN: 0163-6804
C51	Economist, 09/17/2001, Reality Check for Video-on-Demand, Internet <URL: <a href="http://www.economist.com/science/tq/displaystory.cfm?Story_ID=662210">http://www.economist.com/science/tq/displaystory.cfm?Story_ID=662210</a> >
C52	Unknown, 07/11/2001, DIVA Web Site: <URL: <a href="http://www.divata.com/HTML_mirror/products/prod_overview.html">http://www.divata.com/HTML_mirror/products/prod_overview.html</a> > URL: <a href="http://www.divatv.com/php/prod_link.php3">http://www.divatv.com/php/prod_link.php3</a> , URL: <a href="http://www.diatv.com/HTML_mirror/services/serv_navigator.html">http://www.diatv.com/HTML_mirror/services/serv_navigator.html</a> >, URL: <a href="http://www.divatv.com/php/prod_server.html">http://www.divatv.com/php/prod_server.html</a> >
C53	Chism, 09/17/2001, Personal Viseo Recorder (PVR) Meets Video-on-Demand (VOD) First presented at the Society of Cable Telecommunication Engineers (SCTE) 2001 Conference on Emerging Technologies by Bob Chism, Vice President, Development, Concurrent Computer Corporation

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